

METHOD OF PREPARING A PROTEIN ARRAY BASED ON
BIOCHEMICAL PROTEIN-PROTEIN INTERACTION

ABSTRACT OF THE DISCLOSURE

5 A method of preparing a protein array based on
biochemical protein-protein interaction is provided. An
array of a first protein which includes a PDZ domain is
deposited on a substrate. A second protein, which
includes an amino acid sequence (S/T)-X-(V/I/L)-COOH
10 (each hyphen represents a peptide bond, each parenthesis
encloses amino acids which are alternatives to one other,
each slash within such parentheses separates the
alternative amino acids, and the X represents any amino
acid which is selected from the group comprising the
15 twenty naturally occurring amino acids), is applied to
the first protein array. The amino acid sequence (S/T)-
X-(V/I/L)-COOH of the second protein is bound to the PDZ
domain of the first protein.